

A perspective view of a multi-layered substrate assembly 10. The assembly consists of several layers: a top layer 11(11<sub>1,1</sub>) featuring a grid of circular openings 17; a middle layer 12 with vertical pillars 13; and a bottom layer 15(15<sub>1,1</sub>) also containing a grid of circular openings 17. The entire stack is mounted on a base 14. Additional features include side walls or supports labeled 18a, 18b, 18c, and 18d, and a component 19 at the bottom right. An arrow A indicates a cross-sectional direction.

FIG. 2

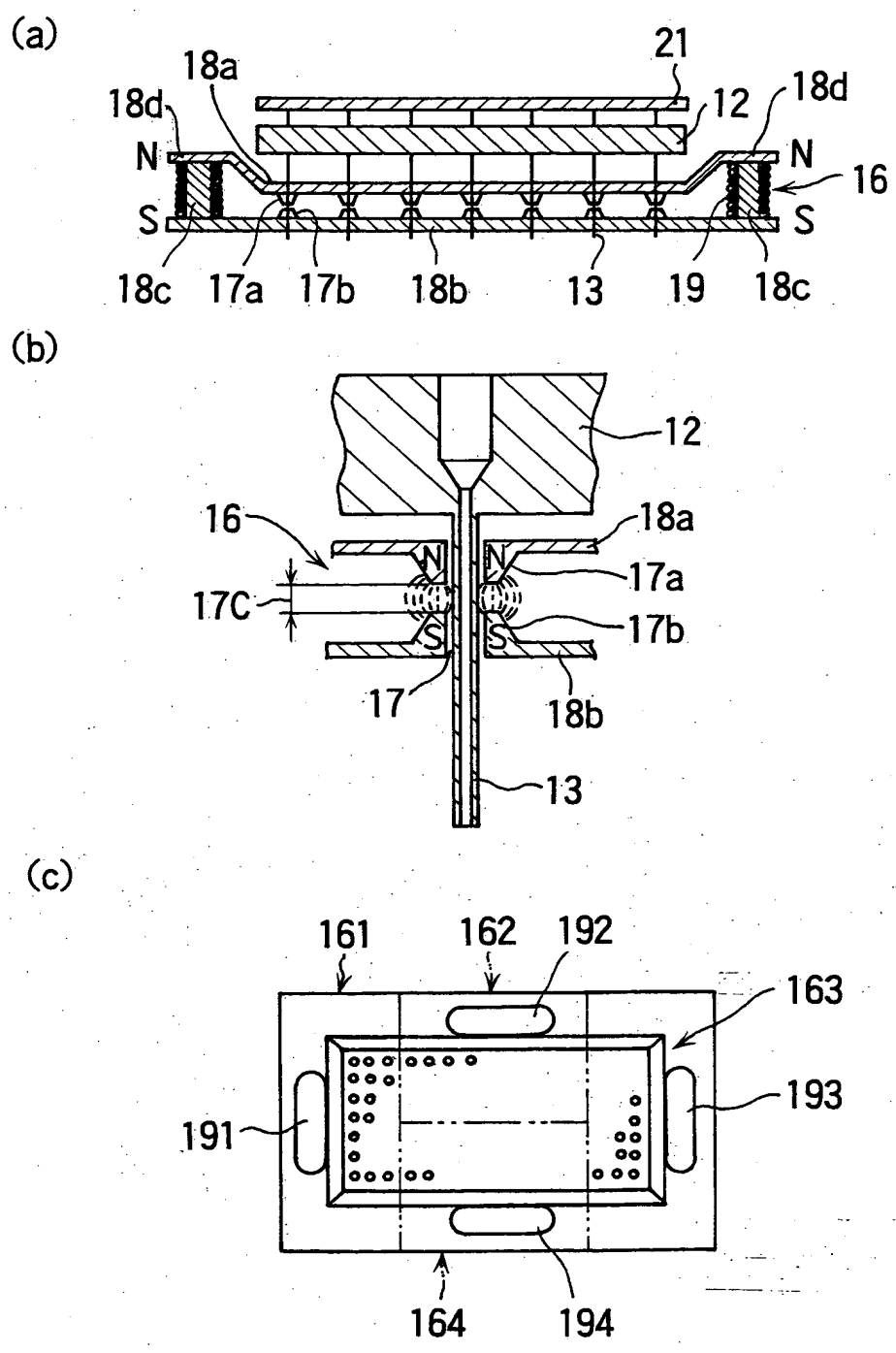


FIG. 3

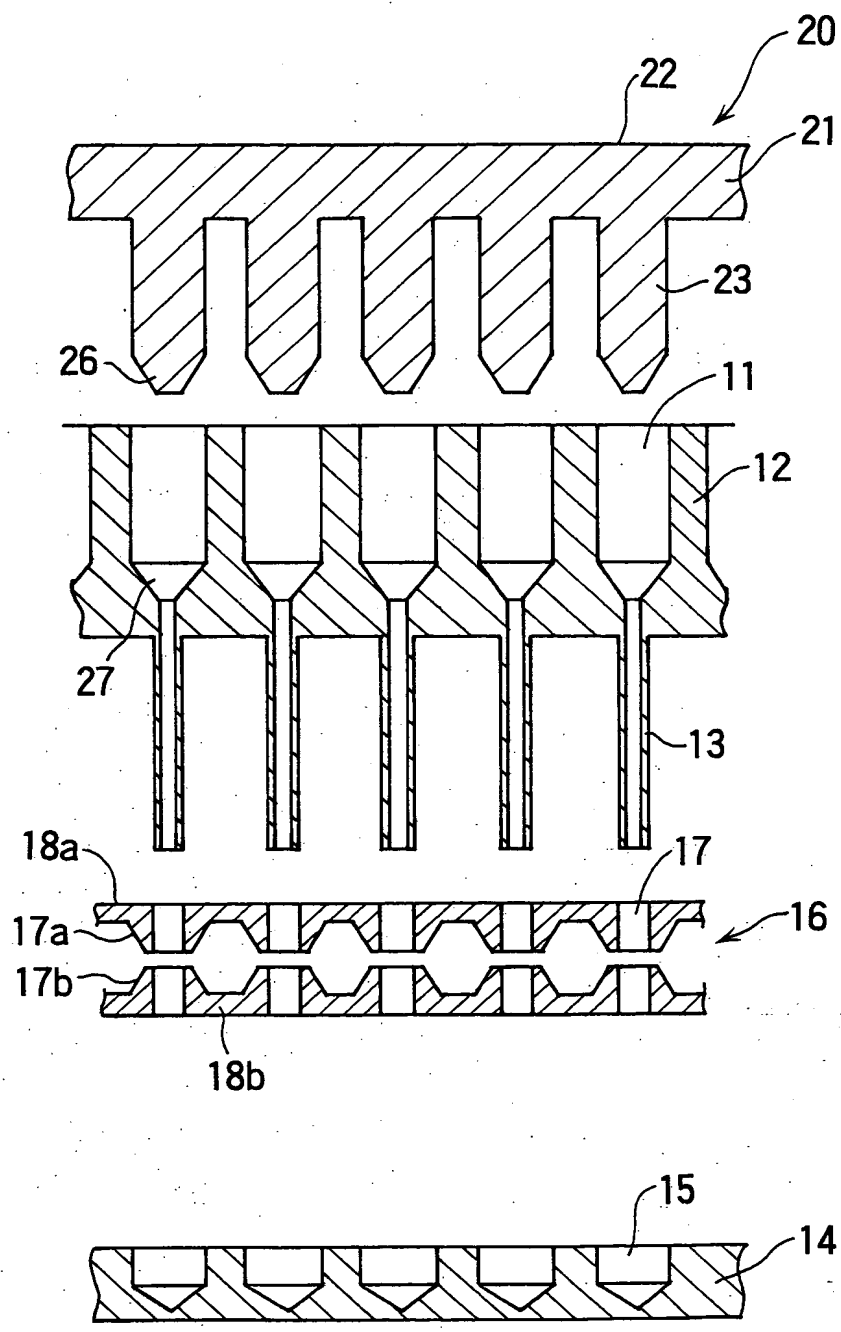


FIG. 4

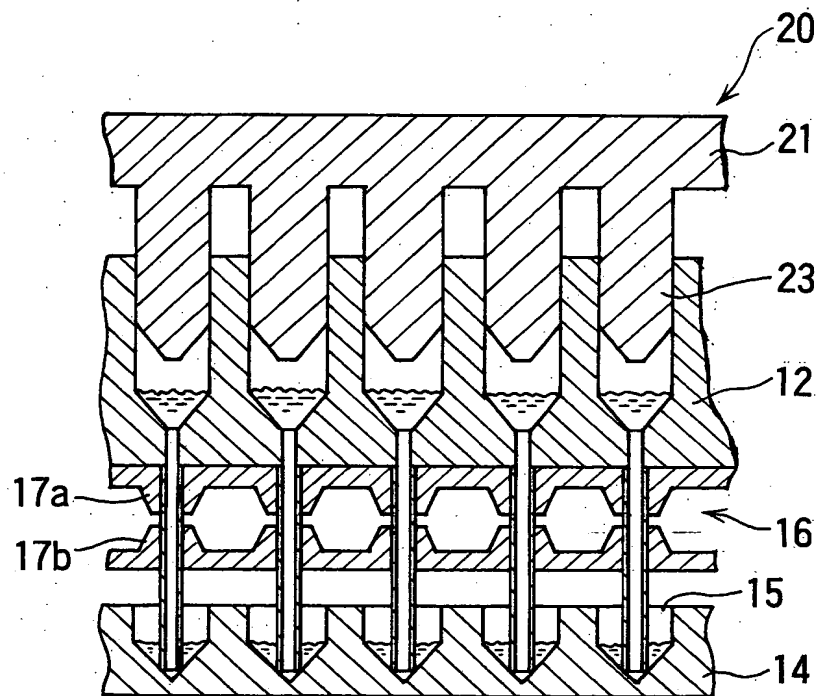


FIG. 5

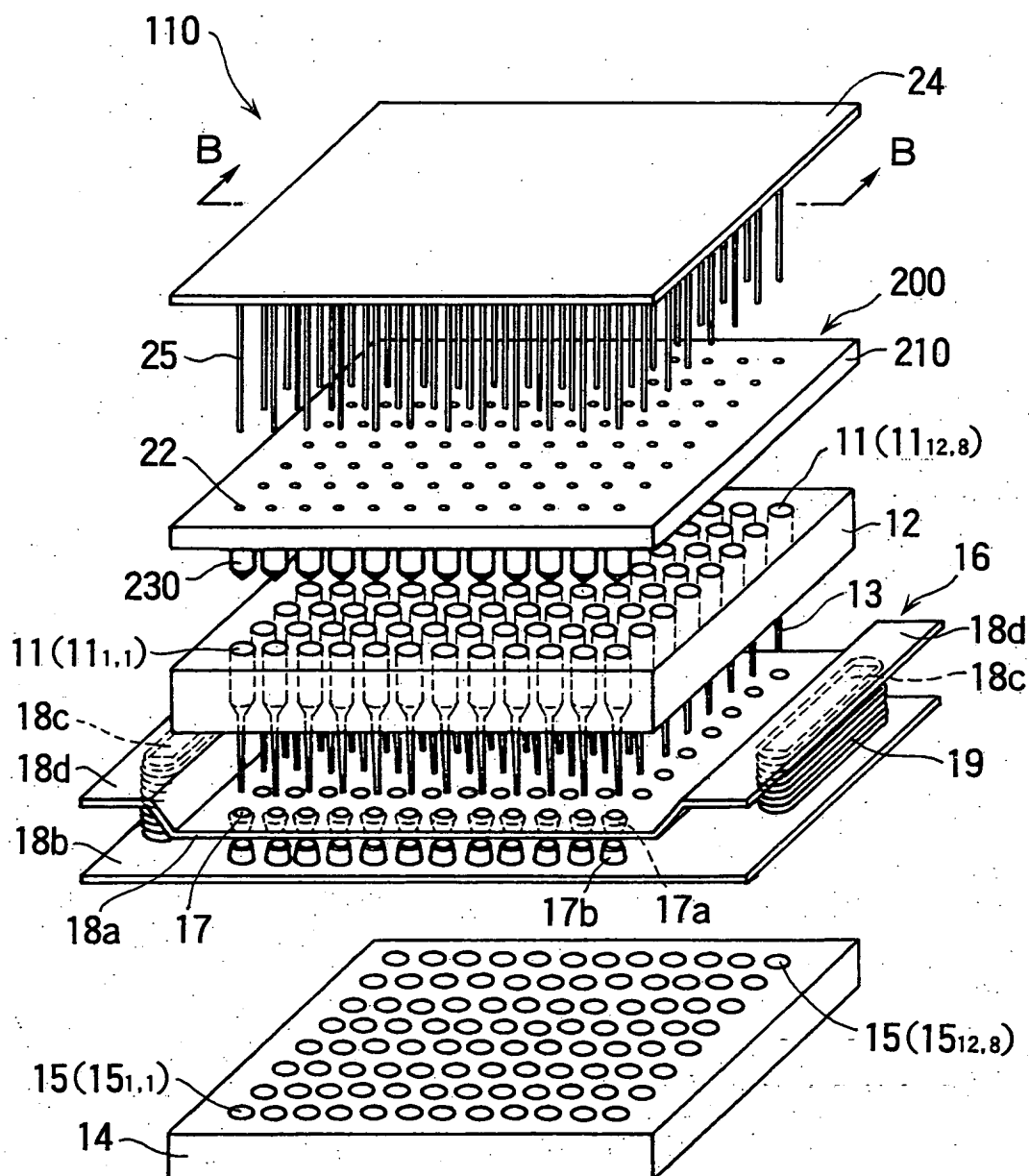


FIG. 6

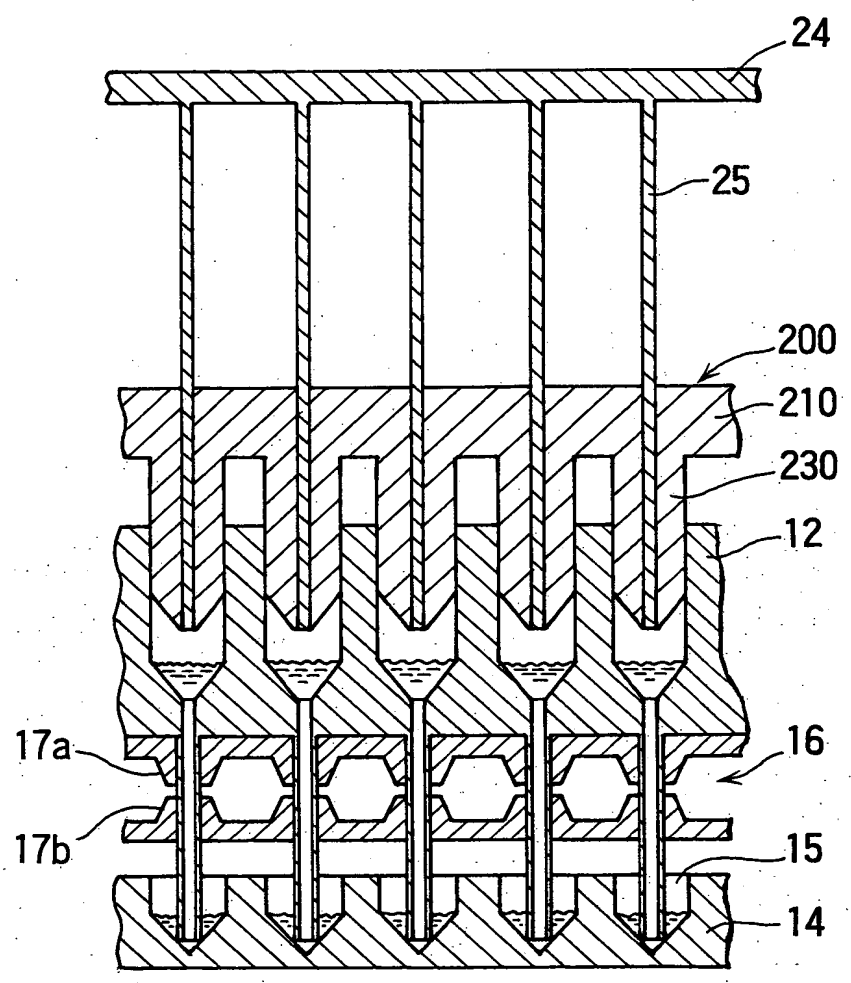


FIG. 7

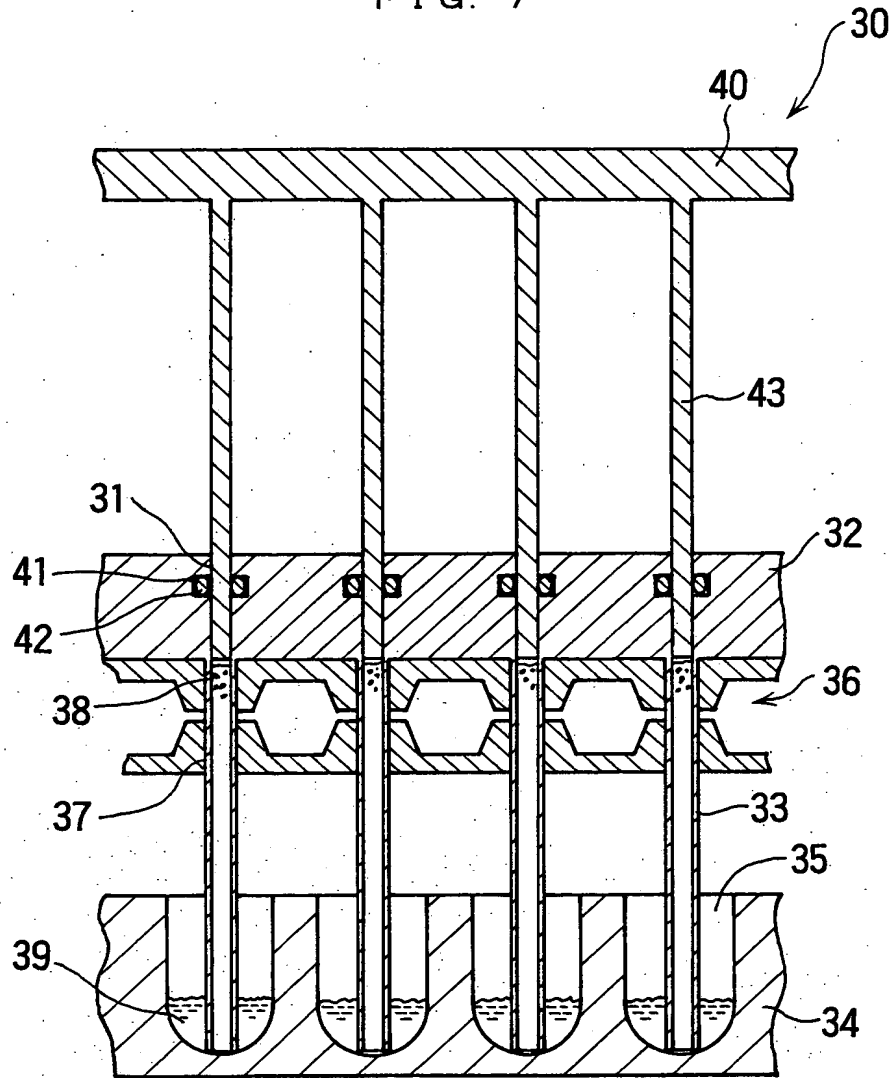


FIG. 8

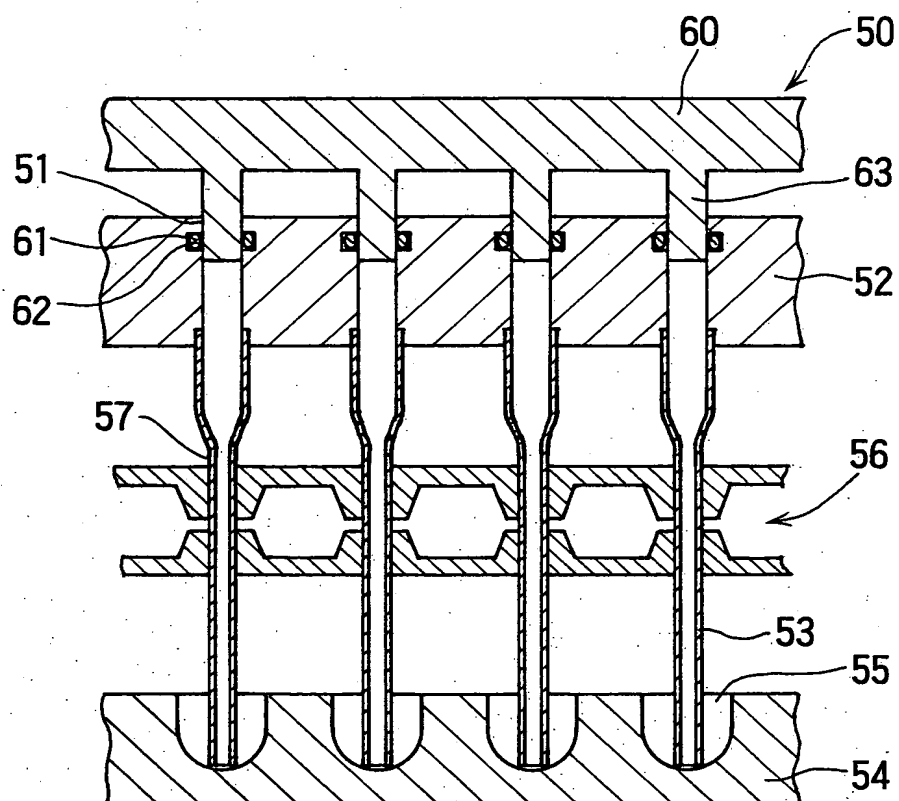




FIG. 9

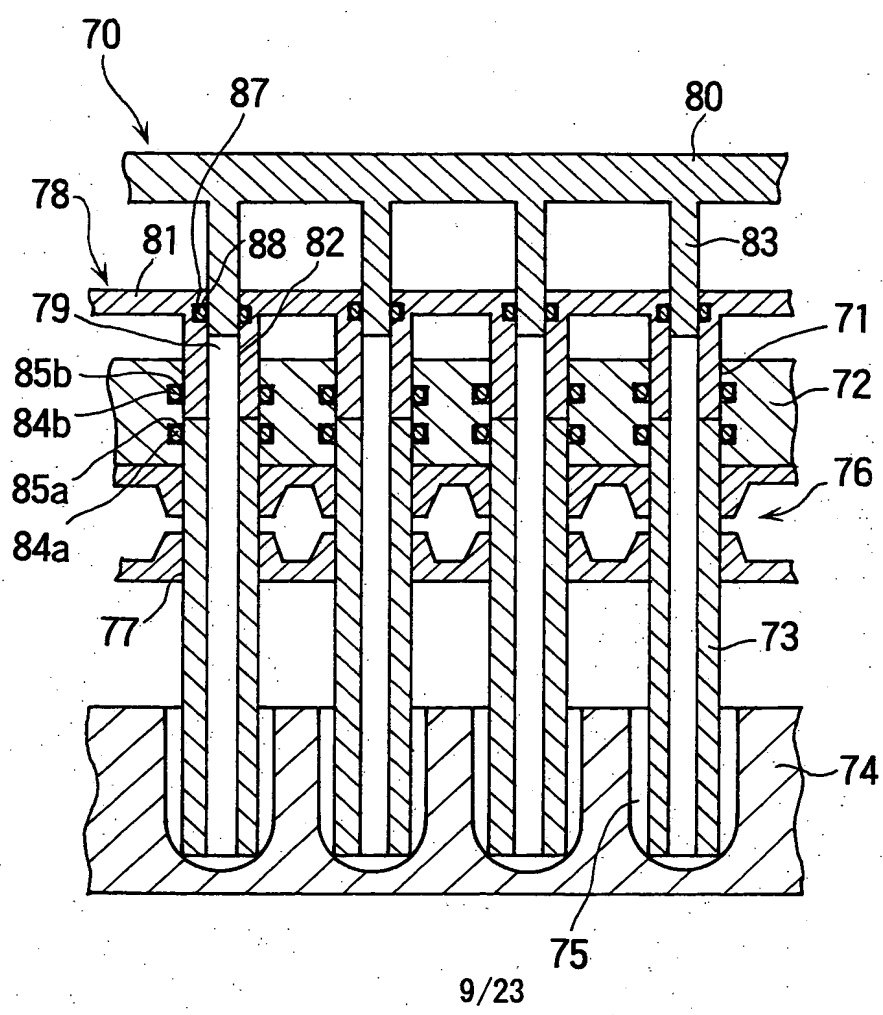


FIG. 10

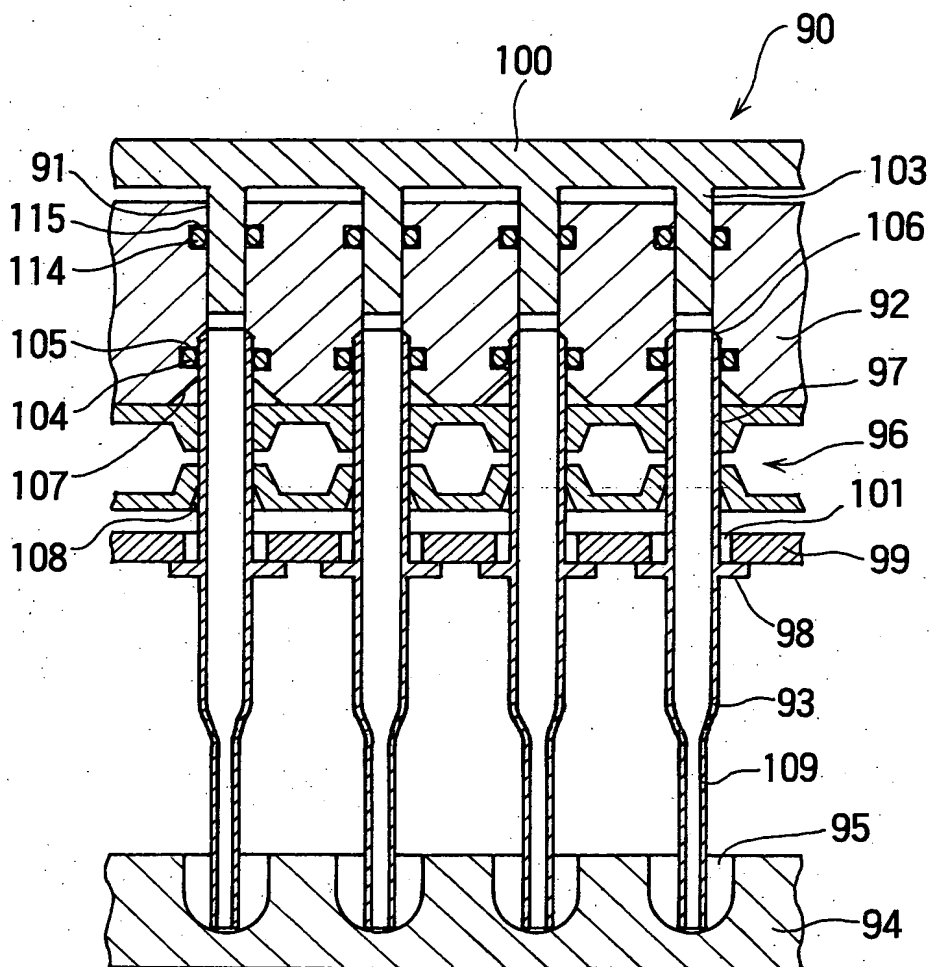
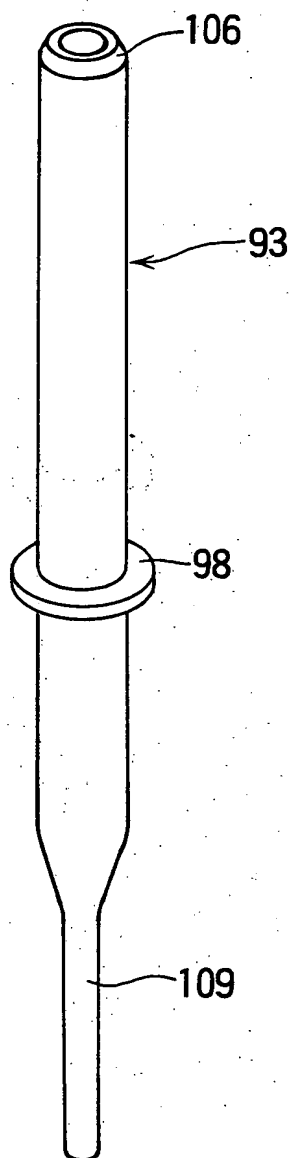


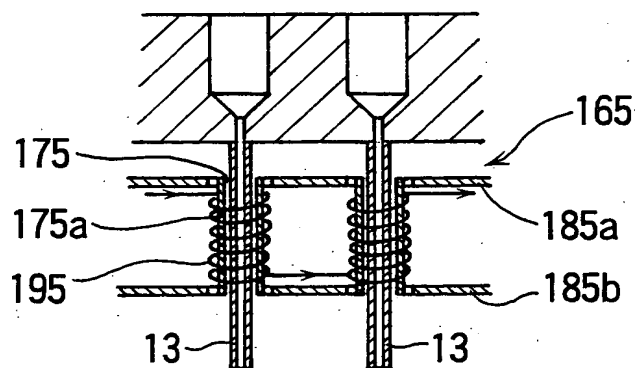
FIG. 11



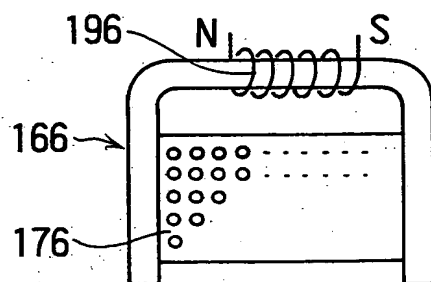
[illegible]

FIG. 13

(a)



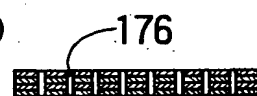
(b)



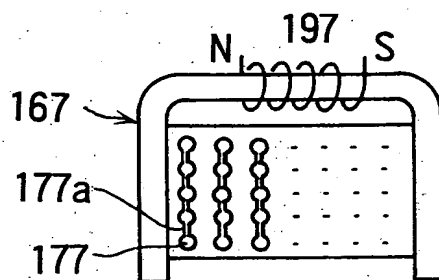
(c)



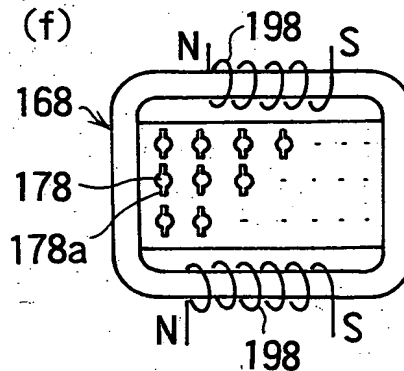
(d)



(e)



(f)



(g)

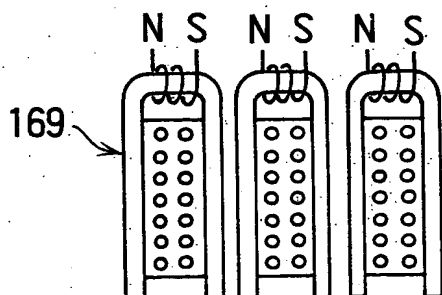




FIG. 15

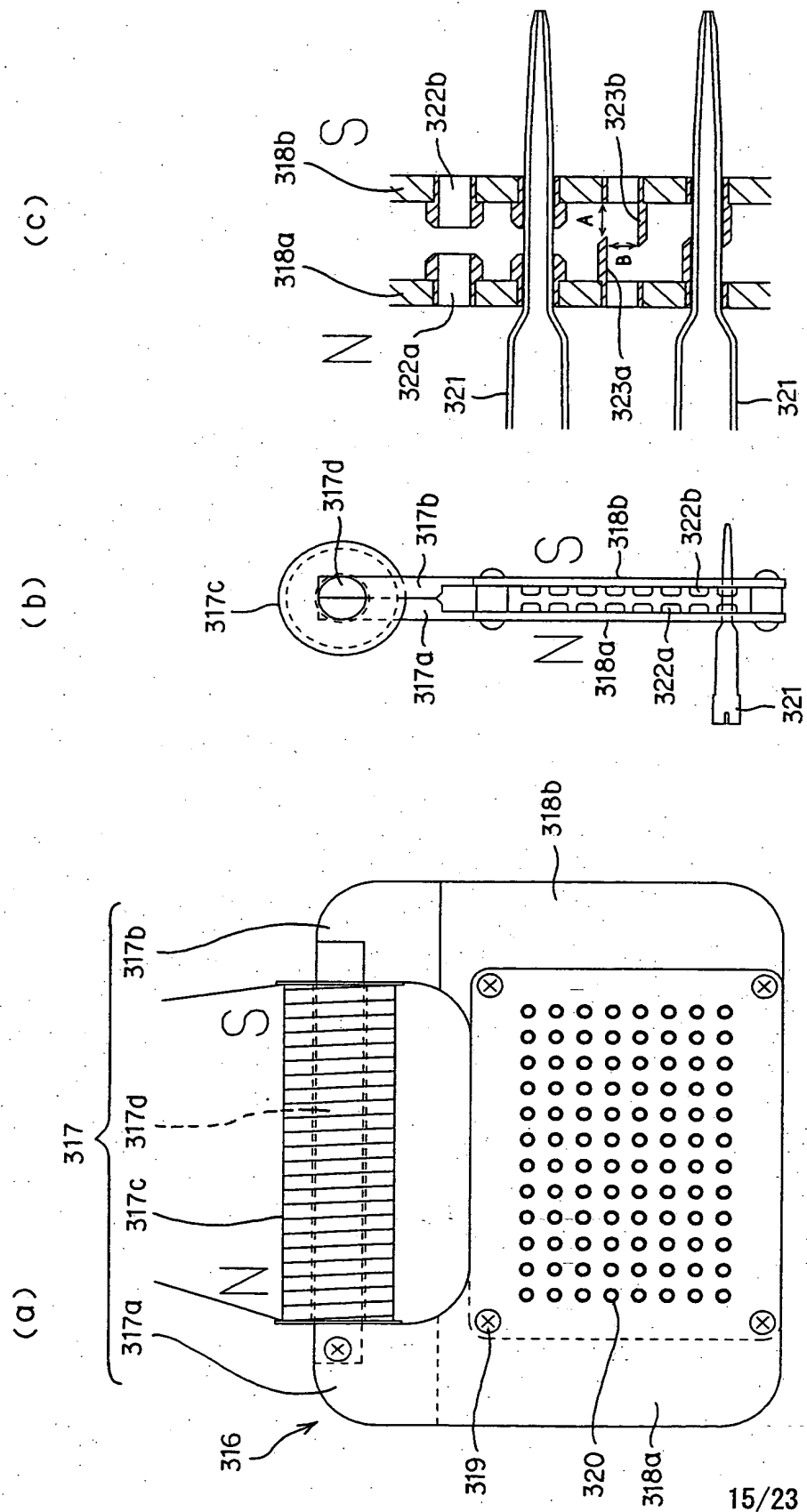


FIG. 16

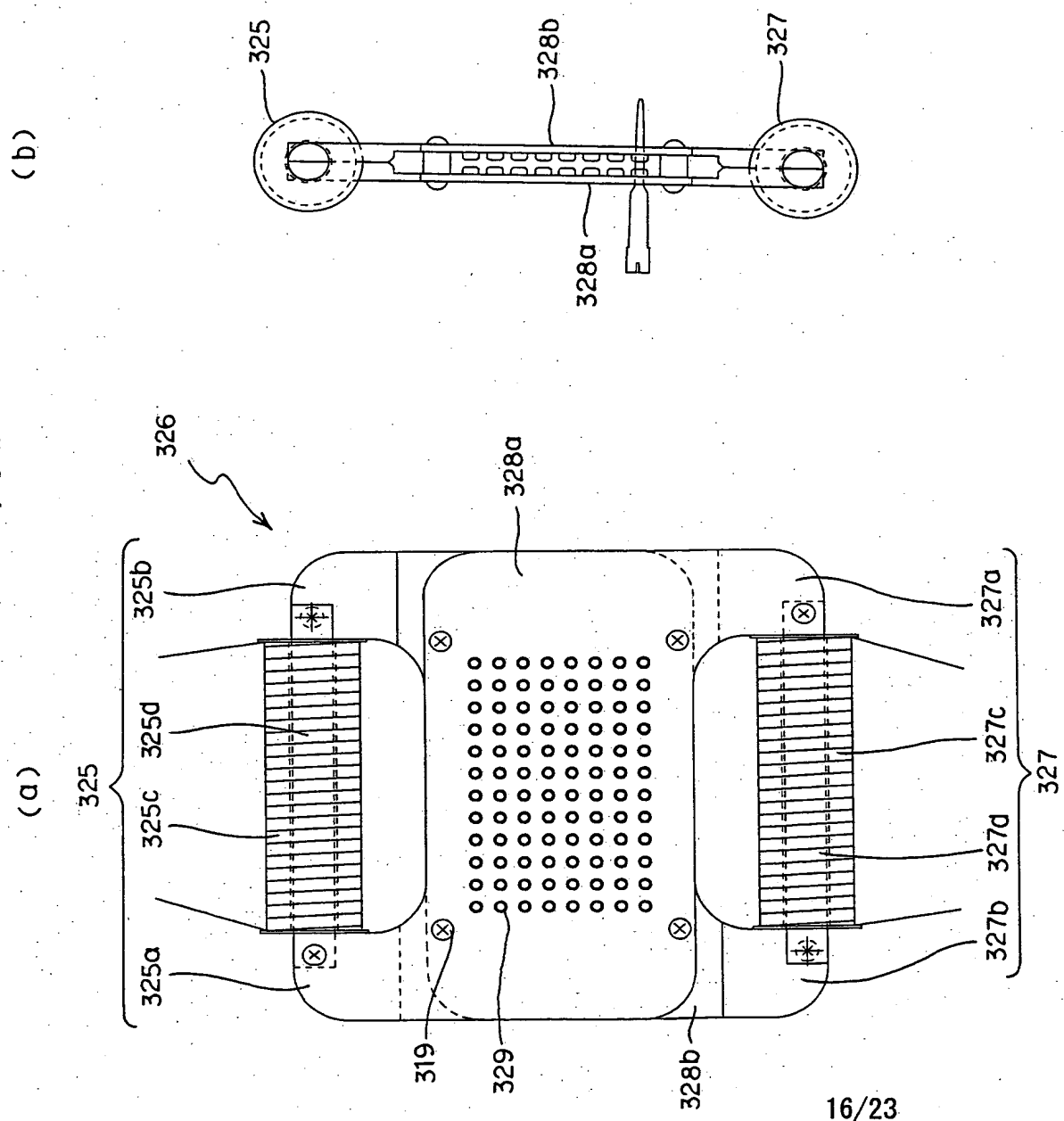
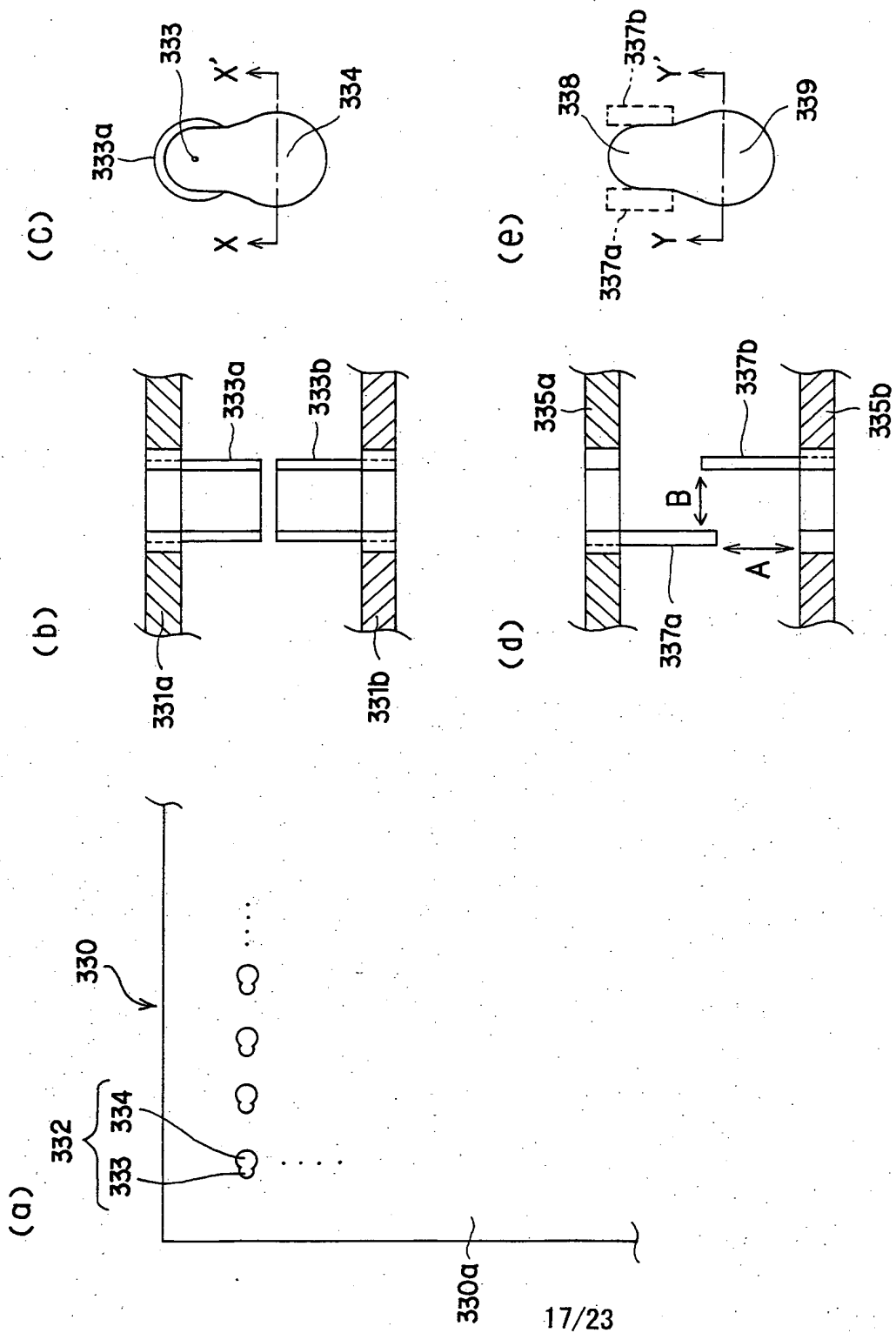




FIG. 17



[illegible]

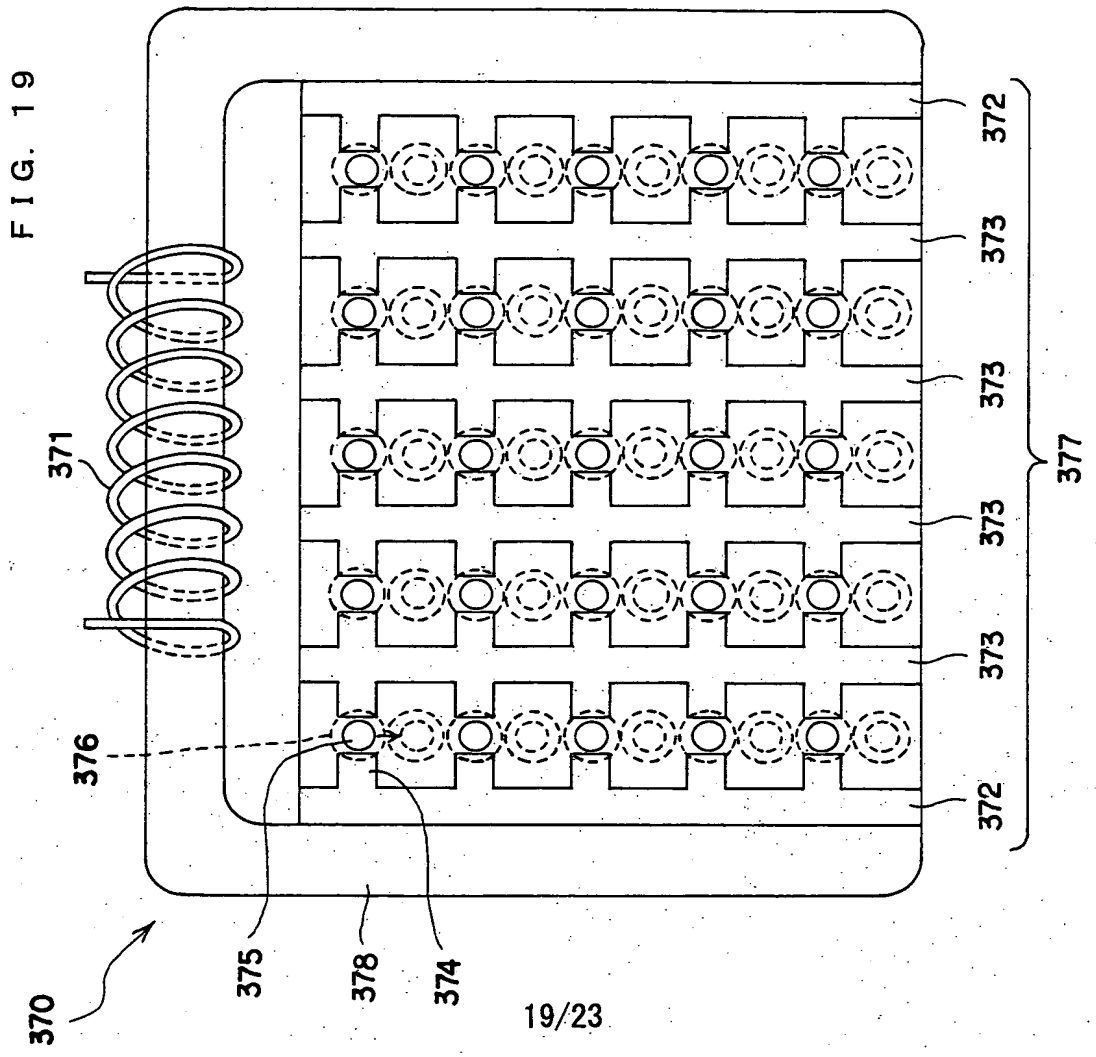


FIG. 20

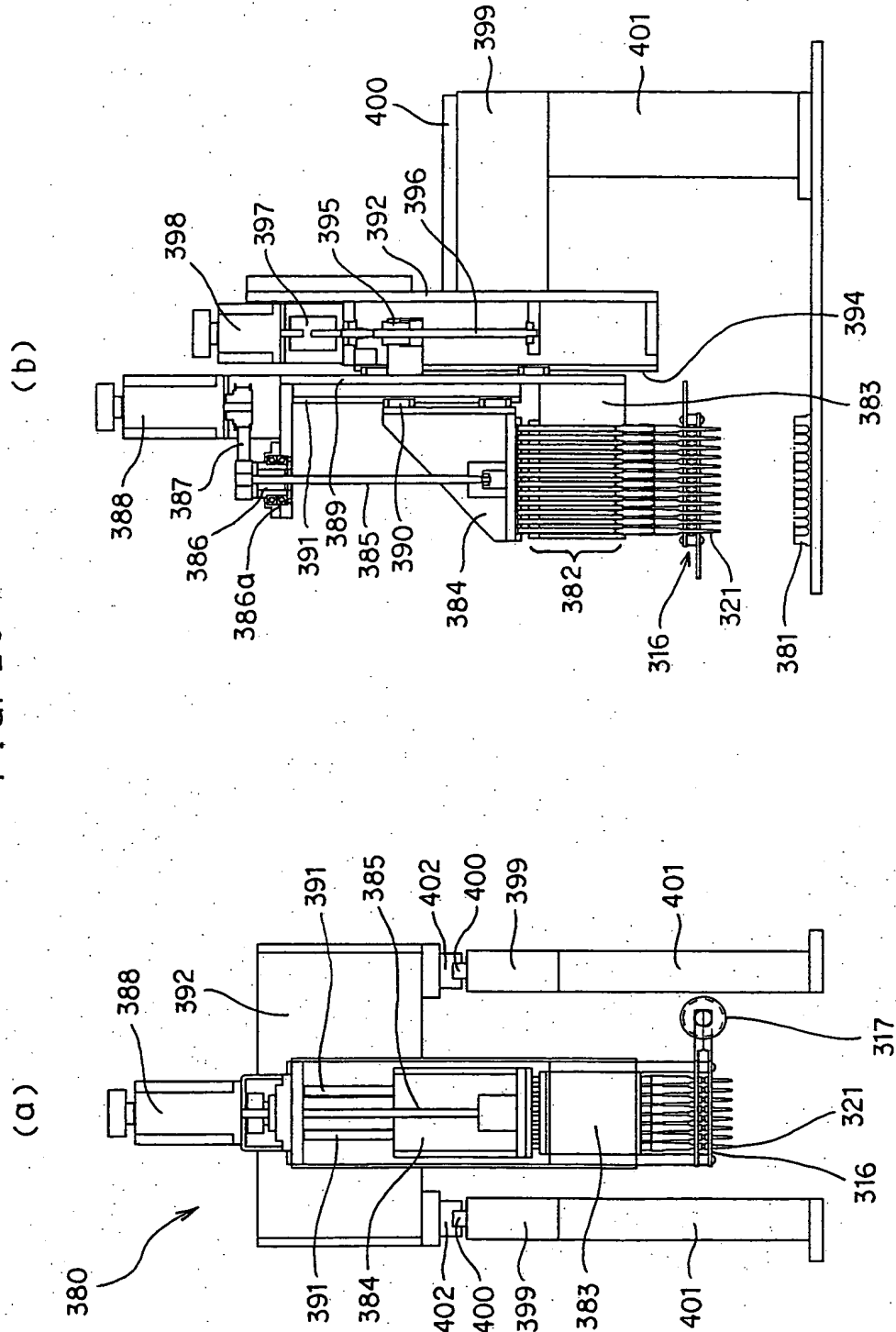


FIG. 21

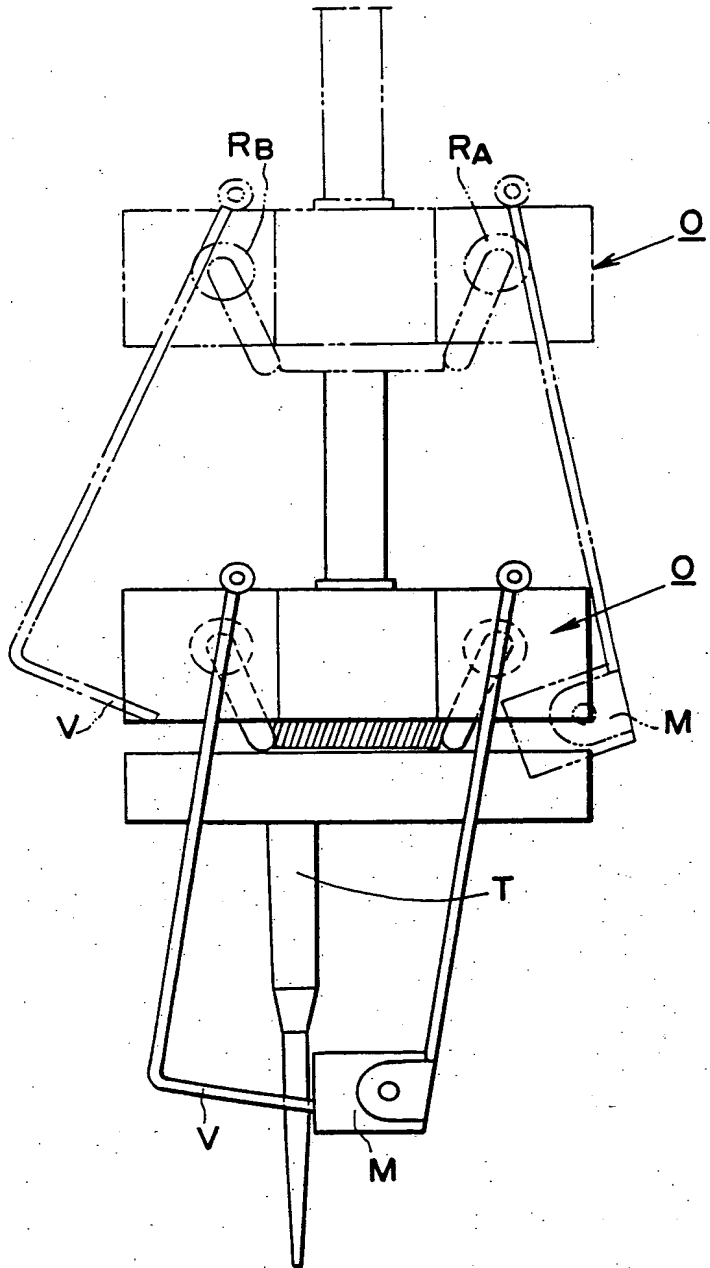
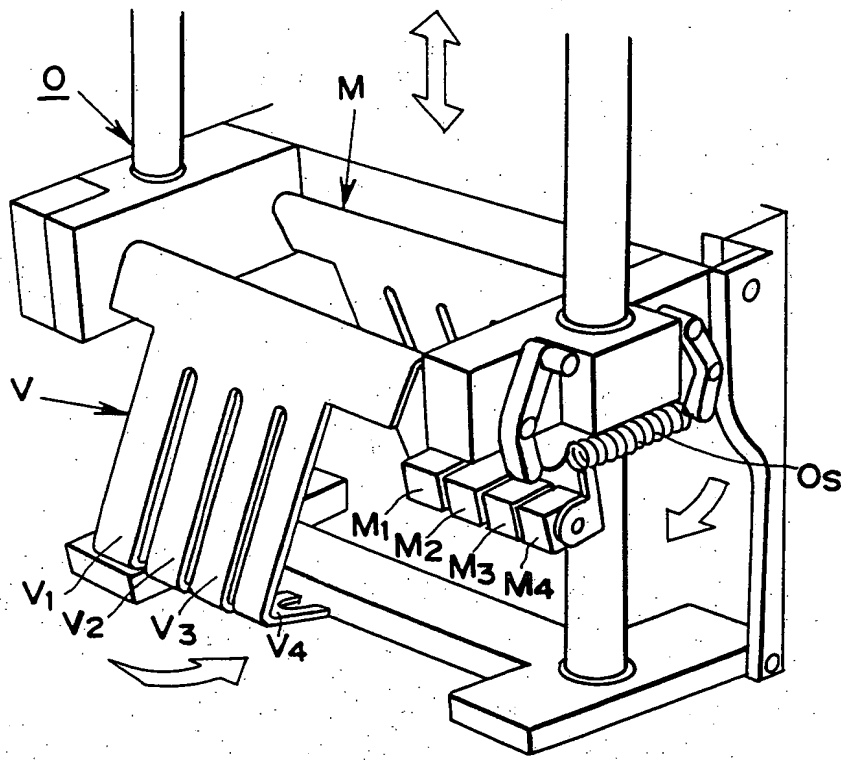


FIG. 22



- 10, 30, 50, 70, 90, 110, 380 ... apparatus for an integrated process for  
magnetic particles (apparatus)
- 11, 31, 51, 71, 91 ... cylinder (reservoir)
- 12, 32, 52, 72, 92, 350 ... reservoir body
- 13, 33, 53, 73, 93, 321, 351 ... nozzle (pipette tip)
- 14, 34, 54, 74, 94, 381 ... vessel
- 15, 35, 55, 75, 95 ... liquid containing parts
- 16, 36, 56, 76, 96, 316, 353 ... magnetic force device
- 17, 37, 57, 77, 97, 320, 354 ... through section
- 18a, 18b, 318a, 318b, 328a, 328b, 353a, 353b ... upper plate, lower plate  
(magnetic plate)
- 19, 317, 325, 327 ... magnetic source
- 20, 40, 60, 80, 100, 200, 384 ... sliding body
- 21, 210 ... base plate
- 22 ... thin hole
- 23, 43, 83, 103, 230 ... plunger (sliding projection)
- 24 ... minute sliding body
- 25 ... thin rod
- 58 ... pressing body
- 59 ... pressing pipe